SIEMENS

ARCADIS Varic

Update Instructions SP024/04/P

Title: VB11A Software Update

Reason for Update:			[X] Performance

Urgency:		[ ] Immediate	[X] Within 6 months
Update material required?	[X] Yes		[ ] No
Materials free of charge?	[X] Yes		[ ] No
Return of parts?	[ ] Yes		[X] No
Estimated completion time:	7.0 h		Number of CSE's 1
Customer application training?	[ ] Yes		[X] No

Systems/Products affected/System identifying IVK

Name	Material No.	Serial No.
ARCADIS Varic	8080017	10001-10123

Remark: n.a.

Components affected/to be modified

Name	Material No.	Serial No.	Component status affected
n.a.	n.a.	n.a.	n.a.

Remark: n.a.

Doc. Gen. Date   01.05

Document Revision Level

This document corresponds to the version/revision level effective at the time of system delivery. Revisions to hardcopy documentation are not automatically distributed.

Please contact your local Siemens office to order current revision levels.

Disclaimer

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Systems/Products Affected

ARCADIS Varic Systems serial number 10001-10123 and software version VB10C; all systems with a higher serial number have already been updated in the factory.

Reason for the Update

ExamSet
Increased dose is no longer available as Default Exam Set.

LUT
In the Standard Exam Sets the LUT GER15 is programmed as standard LUT. It is recommended that this is also done in the self-produced programs.

Movie
Playing Movie is possible only in the single layout.

If you record scenes with a high storage transfer rate or with long sequences, the following difficulties can arise during playback of the image sequences via the Movie function in the Viewer task card:

The playback rate is slowed down considerably

The Movie start and stop functions react sluggishly

Error messages are displayed: the working memory of the systems is overloaded. This impairs system performance.

The image position display and control function for setting the scene region to be displayed is generally inoperable

After a movie has been stopped, it may under certain circumstances be impossible to simultaneously display the native images on the Native task card and the subtracted images on the Viewer task card.

Under certain circumstances it may not be possible to release radiation while playing back a movie.

Cassette
The Cassette option is available in addition.

RSR

A dose report is produced automatically for each examination for dose reporting. This can be printed out on the local printer or viewed on the system.

Memory Problem

Storing many scenes could lead to frequent error messages.
The performance of the system was also very much reduced.
This is no longer the case. There is no restriction to the number of stored images during an examination.

Roadmap

With the Roadmap it is possible to choose whether images should be saved automatically or not in the examination program.

Default-Layout Viewer

In contrast to the previous version, the default settings for the viewer are no longer configurable.

Task card Viewer

In contrast to the previous version, the default settings of the Viewer are no longer configurable.

Substraction

There is no longer a limitation in the number of images that can be stored during an examination. The performance of the system is not diminished by this.
Previously, storing many scenes could lead to a number of error messages.

NOTE	**The VB11A software includes all solutions which were included in the VB10C patches!**

Prerequisites

- Make sure that the service password is still valid; if it has expired, get a new one <u>before</u> going on site.

- The BIOS password is required for this update. See password list, Speed Info SP_11/04.

- A blank CD-ROM is required for this update to store the "Log files" of the system.

- Take all required tools for the "Image Quality Quick Test" with you.
  For details see instruction "Image Quality Quick Test", section "Required measuring equipment and tools, Print No.: SPR2-320.820.02...

- The patient images have to be archived prior to the update in responsibility of the customer.

Special Tools / Documents

n. a.

Ordering Information

The following update kit, the Operating Manual and Restriction List have to be ordered from CS ML (SAP Distribution Channel, factory 2050).
List the system Serial Number on the order!

1.   Update Kit ARCADIS Varic VB11A
Material No.: **80 80 603**

2.   Operating Manual and Restriction List for VB11A.
Order Material No. depending on the required language or, if not available, according to your country preference.

Material No.	Language
86 69 389	German
86 69 397	English
86 69 405	French
86 69 413	Spain
86 69 421	Swedish
86 69 439	Italian
86 69 447	Russian
86 69 454	Danish
86 69 462	Finnish
86 69 470	Hungarian
86 69 488	Slovak

Contents of the Update Kit

The update kit **80 80 603** contains the following parts:

Pos.	Quan.	Material No.	Name
1	1	80 81 304	ARCADIS Varic SW-Kit, contains Pos. 2...7
2		80 81 312	Image System VB11A (2 CD´s)
3		80 81 320	Main System/ Host = VC01D/ CD = VA01D (1 CD)
4		80 81 338	System CD VA00C (1 CD)
5		80 81 346	Test Images VA00B (1 CD)
6		83 80 474	Bios Update CD VB00E (1 CD)
7		87 79 696	Backup CD / Blank CD (1CD)
8	1	SPR2-310.896.02.xx.02	Update Instructions SP024/04/P
9	1	SPR2-320.816.02.xx.02	Software VB11A System SW Installation
10	1	SPR2-320.843.02.xx.02	Configuration Guide
11	1	SPR2-320.820.02.xx.02	Image Quality Quick Test
12	1	SPR2-310.601.01.xx.xx	Operator Manual Quick Guide; German + English; (2 CD's)

Tab. 1

Order No. for Operating Manual and Restriction List, see "Ordering Information".

Pos.	Quan.	Material No.	Name
1	1	SPR2-310.620.01.02.xx	Operator Manual (..xx = language dependent)
2	1	SPR2-310.623.01.03.xx	Restriction List (..xx = language dependent)

Tab. 2

Return of Parts

n.a.

Work Steps

1. Mechanical check
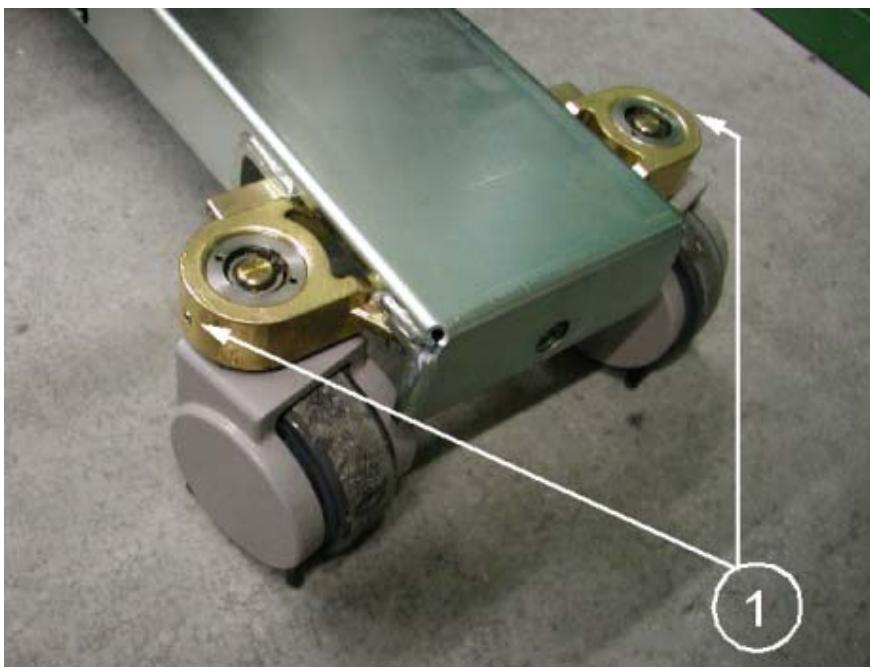
Fig. 1

- Remove the front wheel cover (already done in Fig. 1).

- Check the 2 ISK screw (1/Fig.1) for tightness.

- Reattach the front wheel cover.

2. Software Installation

NOTE	**The patient images have to be archived prior to the update in responsibility of the customer.**
	This update instruction does not comprise the time and costs of archiving patient images.

- Save all patient images if necessary,
  e. g. in an archive or on CD (refer to the operating instructions).

- Install the ARCADIS Varic software (Imaging System + Main System) VB11A according to document **- Software VB11A System SW Installation**, **SPR2-320.816.02...-**.

3. Change Imaging System Parameter "Power off Grace Period"

- **Go-to**: <Options>-<Service>-<Local Service>-<Configuration>-<Imaging System>-<Power off Parameters>

- Under "Power off Grace Period" enter the value "**100**" and click on <Save>.

- Carry out a backup of the ASPIA settings (procedure see "Software Installation Instructions VB11").

4. Install "PrinterLUT_Gamma2" for SONY Printer LPR 1000 MD (option)

NOTE	This LUT configuration is only necessary if a SONY printer "LPR1000 MD" is connected.
	For all other printers the default LUT is already active after the software installation.

- **Go-to**: <Options>-<Service>-<Local Service>-<Configuration>-<External Devices>-<PS LUT Files>

- Select "**PrinterLUT_Gamma2**", click on <Select> and click on <Save>.

5. Install the "Operator Manual Quick Guide" onto the system

NOTE	Install the quick guide in English or German as required.

- Insert the CD "Operator Manual Quick Guide" in the CD-ROM drive.

- **Go-to**: <Options>-<Service>-<Local Service>-<Configuration>-<Next>-<Help/Documentation>

- Click on <Help/Update>.

- Under "Drive" select "R".

- In the field "Directory and file" double click on "OnlineHelp" .

- Select "quickguide.pdf" and click on <Save>.

  ⇨ The following message appears: "The file was succesfully copied!".

6. Check monitor settings if the option "Black and White Monitors" is installed
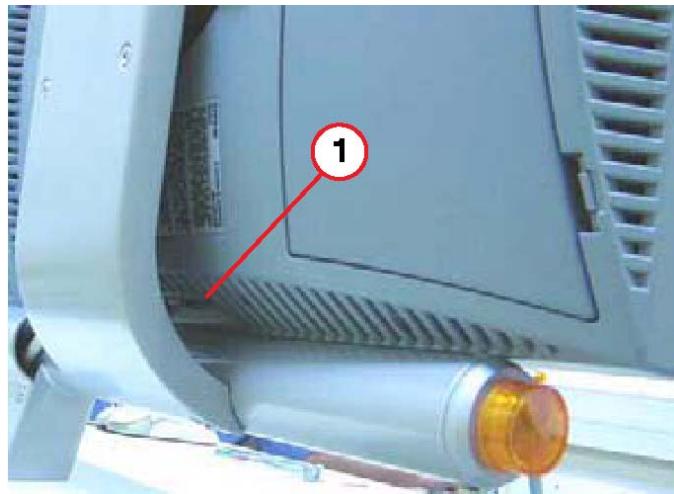
Fig. 2

NOTE	With the default monitor settings, the line border of the selected images in the task card may not be clearly visible. The following monitor adjustments will solve this problem.

- Select the OSD main menu by turning (don't press) the control wheel (1/Fig.2) on the rear side of the monitor.

⇨   The OSD main menu is displayed in the left upper corner.

- Turn the control wheel until "EXIT" is selected in the menu, then press the control wheel for about 3 seconds.

  ⇨   A new extended "Menu" is now available.

- Turn the control wheel until "Settings" is selected, then press the control wheel.

- Turn the control wheel until "Input Mode" is selected, then press the control wheel.

- Turn the control wheel until "Standard" is selected, then press the control wheel repeatedly until "**RGB -> RGB**" is displayed.

- Turn the control wheel until "Exit" is selected, then press the control wheel.

Performing Monitor "Full Autoset"

NOTE	**If "Full Autoset" must be performed a predefined test image has to be used.**
	The TFT monitor must be switched on 20 minutes prior to beginning the adjustments.

⇨   To select the test image, open the syngo service UI.

- **Go-to**: <Options>-<Service>-<Local Service>-<Utilities>

- Under "Source" select "Escape to OS".

- Under "Parameters" enter "explorer" and click on <Go>.

- **Select Path:** My Computer / MED_SYSTEM (C:) / Testimages

- Click on Testimages.

- Double click on "Main.htm" and click on "TFT Auto calibration".

  ⇨   The "TFT Auto calibration" window opens and can be shift to both monitors.

- At the window "TFT Auto calibration" select the "Maximize" button for full screen display.

- Turn the control wheel until "Autoset" is selected, then press the control wheel.

- Turn the control wheel until "Full Autoset" is selected, then press the control wheel.

  ⇨   "Done" must be displayed.

NOTE	**If an error message is displayed, fix the error (e.g. control error) and repeat "Full Autoset".**

- Press the control wheel for leaving the "Autoset" mode and leave all menus with "Exit".

  ⇨   The message "Save Changes" appears.

- Turn the control wheel until "Yes" is selected, then press the control wheel.

- Carry out the same procedure on the 2nd monitor.

  ⇨   The line border of the selected images in the task card should be now clearly visible.

7. Perform an Image Quality Test

- Perform an Image Quality Test according to document **- Image Quality Quick Test, SPR2-320.820.02...-**.

Final Check

- Release fluoro and perform an acquisition at the highest possible frame rate.

Customer Information

- Turn the Operator Manual and the Restriction List over to the customer and remove the old Operator Manual and Restriction List from the binder.

Final Work Steps

- Update the system documentation.
  Fill out, and if needed, make a copy of the attached "Completion Protocol " and file it in the corresponding System Binder.
- The modification reply report has to be prepared by authorized personnel using an application on the Intranet.
- Remove all CD's from version VB10C (include patches) from the system.

Changes to Previous Version

n.a.

Completion Protocol

The update with the number **SP024/04/P** has been completed.

Material number: ....

Serial number: ....

Customer: ....   Functional Location:...............................

Customer No.:   ....

Name (CSE):   ....   Telephone: ....

Country: ....   Location: ....

Date: ....   Signature: ....

Remark: ....

                    ....
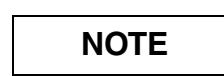
| NOTE | **After completing the update, make a copy of this page, fill it out and file it in the corresponding System Binder/User Handbook.** |